A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 H02P23/00 H02P27/00 According to International Patent Classification (IPC) or to both national classification and IPC 8. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) H02P IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category * 1,11, US 5 325 037 A (JEONG JAE H) X 18-28 28 June 1994 (1994-06-28) column 5, line 20 - line 34; claim 1; figures 3,5 1,11,18 EP 0 312 686 A (GULTON IND INC) X 26 April 1989 (1989-04-26) column 7, line 46 - column 8, line 32: 10,30-32Y claim 1; figures 2-4,6 10.30-32 Y US 5 450 521 A (REDLICH ROBERT W) 12 September 1995 (1995-09-12) cited in the application column 1, line 8; claim 1 1,11,18 US 6 280 147 B1 (RYAN LIAM ET AL) A 28 August 2001 (2001-08-28) column 4, line 61 - line 63; figure 5 column 5, line 54 - line 57 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention *E* earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or , such combination being obvious to a person skilled document published prior to the international filing date but *&* document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 27/10/2004 14 October 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Roy, C

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